



PA-Score 2.1 Scoresheets
PAPER BOARD SPECIALTIES

- 04/16/93

Page: 1

OMB Approval Number: 2050-0095
 Approved for Use Through: 4/95

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM	IDENTIFICATION	
	State: NJ	CERCLIS Number: D147427843
	CERCLIS Discovery Date:	

1. General Site Information

Name: PAPER BOARD SPECIALTIES		Street Address: 177-302, 186-218 THIRD AVENUE			
City: PATERSON	State: NJ	Zip Code: 07514	County: PASSAIC	Co. Code:	Cong. Dist:
Latitude: 40° 56' 12.0"	Longitude: 74° 8' 38.0"	Approx. Area of Site: 4 acres		Status of Site: Inactive	

2. Owner/Operator Information

Owner: PAPER BOARD SPECIALTIES			Operator: SAME		
Street Address: 177-302, 186-218 THIRD AVE			Street Address:		
City: PATERSON			City:		
State: NJ	Zip Code: 07514	Telephone: N/A	State:	Zip Code:	Telephone:
Type of Ownership: Private			How Initially Identified: State/Local Program		

<p>POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM</p>		IDENTIFICATION	
		State: NJ	CERCLIS Number: D147427843
		CERCLIS Discovery Date:	
3. Site Evaluator Information			
Name of Evaluator: JOE STEFANONI		Agency/Organization: NJDEPE/BFO-SA	Date Prepared: 4/16/93
Street Address: 300 HORIZON CENTER		City: ROBBINSVILLE	State: NJ
Name of EPA or State Agency Contact: KENNETH KLOO		Telephone: 609-584-4280	
Street Address: 300 HORIZON CENTER		City: ROBBINSVILLE	State: NJ
4. Site Disposition (for EPA use only)			
Emergency Response/Removal Assessment Recommendation: No Date:	CERCLIS Recommendation: Higher Priority SI Date: 4/16/93	Signature: Name: JOSEPH STEFANONI III Position: HSMS III	

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5. General Site Characteristics

Predominant Land Uses Within 1 Mile of Site: Industrial Commercial Residential	Site Setting: Urban	Years of Operation: Beginning Year: 0 Ending Year: 1990 X Unknown
Type of Site Operations: Manufacturing Other Manufacturing		Waste Generated: Onsite
		Waste Deposition Authorized By: Present and Former Owner
		Waste Accessible to the Public No
		Distance to Nearest Dwelling, School, or Workplace: 200 Feet

6. Waste Characteristics Information

Source Type Drums Drums	Quantity 2.00e+01 drums 1.00e+01 drums	Tier V V	General Types of Waste: Organics Solvents Acids/Bases Oily Waste
Tier Legend C = Constituent W = Wastestream V = Volume A = Area			Physical State of Waste as Deposited Liquid Sludge

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM		IDENTIFICATION	
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		CERCLIS Discovery Date:	
7. Ground Water Pathway			
Is Ground Water Used for Drinking Water Within 4 Miles: No	Is There a Suspected Release to Ground Water: Yes	List Secondary Target Population Served by Ground Water Withdrawn From:	
Type of Ground Water Wells Within 4 Miles: Municipal Private	Have Primary Target Drinking Water Wells Been Identified: No	0 - 1/4 Mile 0	
Depth to Shallowest Aquifer: 0 Feet Karst Terrain/Aquifer Present: No	Nearest Designated Wellhead Protection Area: >0 - 4 Miles	>1/4 - 1/2 Mile 2100	
		>1/2 - 1 Mile 25350	
		>1 - 2 Miles 29200	
		>2 - 3 Miles 41950	
		>3 - 4 Miles 18800	
		Total 117400	

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM	IDENTIFICATION	
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8. Surface Water Pathway		Part 1 of 4
Type of Surface Water Draining Site and 15 Miles Downstream: River	Shortest Overland Distance From Any Source to Surface Water: 300 Feet 0.1 Miles	
Is there a Suspected Release to Surface Water: No	Site is Located in: >100 yr - 500 yr floodpla	

8. Surface Water Pathway		Part 2 of 4
Drinking Water Intakes Along the Surface Water Migration Path: No		
Have Primary Target Drinking Water Intakes Been Identified: No		
Secondary Target Drinking Water Intakes: None		

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8. Surface Water Pathway

Part 3 of 4

Fisheries Located Along the Surface Water Migration Path: Yes

Have Primary Target Fisheries Been Identified: No

Secondary Target Fisheries:

Fishery Name	Water Body Type/Flow(cfs)
PASSAIC RIVER	large stream/river/ >1000-10000

8. Surface Water Pathway

Part 4 of 4

Wetlands Located Along the Surface Water Migration Path? (y/n) Yes

Have Primary Target Wetlands Been Identified? (y/n) No

Secondary Target Wetlands:

Water Body/Flow(cfs)	Frontage(mi)
large stream/river/ >1000-10000	>4 to 8

Other Sensitive Environments Along the Surface Water Migration Path: No

Have Primary Target Sensitive Environments Been Identified: No

Secondary Target Sensitive Environments:

None

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9. Soil Exposure Pathway

Are People Occupying Residences or
Attending School or Daycare on or
Within 200 Feet of Areas of Known
or Suspected Contamination: Yes
Total Resident Population: 4

Number of Workers Onsite: None

Have Terrestrial Sensitive Environments Been Identified on or Within
200 Feet of Areas of Known or Suspected Contamination: No

10. Air Pathway

Total Population on or Within:	
Onsite	0
0 - 1/4 Mile	510
>1/4 - 1/2 Mile	2570
>1/2 - 1 Mile	8060
>1 - 2 Miles	36000
>2 - 3 Miles	66590
>3 - 4 Miles	0
Total	113730

Is There a Suspected Release to Air: No

Wetlands Located
Within 4 Miles of the Site: Yes

Other Sensitive Environments Located
Within 4 Miles of the Site: No

Sensitive Environments Within 1/2 Mile of the Site:

Distance	Sensitive Environment Type/Wetlands Area(acres)
>1/4 - 1/2	Wetlands (1 to 50 acres)

PA-Score

PA SCORESHEETS

Site Name: PAPER BOARD SPECIALTIES
CERCLIS ID No.: D147427843
Street Address: 177-302, 186-218 THIRD AVENUE
City/State/Zip: PATERSON , NJ 07514

Investigator: JOE STEFANONI
Agency/Organization: NJDEPE/BFO-SA
Street Address: 300 HORIZON CENTER
City/State: ROBBINSVILLE, NJ

Date: 4/16/93

WASTE CHARACTERISTICS

Waste Characteristics (WC) Calculations:

1 LUBRICATING OIL	Drums	WQ value	maximum
Volume	2.00E+01 drums	2.00E+00	2.00E+00
2 ACID	Drums	WQ value	maximum
Volume	1.00E+01 drums	1.00E+00	1.00E+00

WQ total 3.00E+00

** Only First WC Page Is Printed **

Waste Characteristics Score: WC = 18

Ground Water Pathway Criteria List
Suspected Release

Are sources poorly contained? (y/n/u)	Y
Is the source a type likely to contribute to ground water contamination (e.g., wet lagoon)? (y/n/u)	N
Is waste quantity particularly large? (y/n/u)	N
Is precipitation heavy? (y/n/u)	U
Is the infiltration rate high? (y/n/u)	N
Is the site located in an area of karst terrain? (y/n)	N
Is the subsurface highly permeable or conductive? (y/n/u)	Y
Is drinking water drawn from a shallow aquifer? (y/n/u)	Y
Are suspected contaminants highly mobile in ground water? (y/n/u)	U
Does analytical or circumstantial evidence suggest ground water contamination? (y/n/u)	Y

Other criteria? (y/n) N

SUSPECTED RELEASE? (y/n) Y

Summarize the rationale for Suspected Release:

GROUNDWATER CONTAMINATION HAS BEEN DOCUMENTED ON SITE THROUGH
MONITORING WELL SAMPLING.

Ground Water Pathway Criteria List
Primary Targets

Is any drinking water well nearby? (y/n/u)	Y
Has any nearby drinking water well been closed? (y/n/u)	U
Has any nearby drinking water well user reported foul-testing or foul-smelling water? (y/n/u)	N
Does any nearby well have a large drawdown/high production rate? (y/n/u)	Y
Is any drinking water well located between the site and other wells that are suspected to be exposed to a hazardous substance? (y/n/u)	N
Does analytical or circumstantial evidence suggest contamination at a drinking water well? (y/n/u)	N
Does any drinking water well warrant sampling? (y/n/u)	N

Other criteria? (y/n) N

PRIMARY TARGET(S) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Targets:

GROUND WATER PATHWAY SCORESHEETS

Pathway Characteristics

		Ref.
Do you suspect a release? (y/n)	Yes	
Is the site located in karst terrain? (y/n)	No	P
Depth to aquifer (feet):	0	P
Distance to the nearest drinking water well (feet):	0	Maps Att. X

LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References
1. SUSPECTED RELEASE	550		
2. NO SUSPECTED RELEASE		0	
LR =	550	0	

Targets

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 person(s)	0		
4. SECONDARY TARGET POPULATION Are any wells part of a blended system? (y/n) Y	1726	0	
5. NEAREST WELL	18	0	
6. WELLHEAD PROTECTION AREA >0 - 4 Miles	5	0	
7. RESOURCES	5	0	
T =	1754	0	

WASTE CHARACTERISTICS

WC =

18	0
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GROUND WATER PATHWAY SCORE:

100

PA-Score 2.1 Scoresheets
PAPER BOARD SPECIALTIES

Page: 5
- 04/16/93

Ground Water Target Populations

Primary Target Population Drinking Water Well ID	Dist. (miles)	Population Served	Reference	Value
None				
*** Note : Maximum of 5 Wells Are Printed ***				Total

Secondary Target Population Distance Categories	Population Served	Reference	Value
0 to 1/4 mile	0	Map 5 Att. X	0
Greater than 1/4 to 1/2 mile	2100		101
Greater than 1/2 to 1 mile	25350		522
Greater than 1 to 2 miles	29200		294
Greater than 2 to 3 miles	41950		678
Greater than 3 to 4 miles	18800		131
Total			1726

Apportionment Documentation for a Blended System

0-1/4 MILE: 0 POPULATION SERVED
1/4-1/2: FAIRLAWN BOROUGH 1 WELL 2,100
1/2-1: HAWTHORNE BOROUGH 11 WELLS
FAIRLAWN BOROUGH 7 WELLS 25,350
1-2: RIDGEWOOD VILLAGE 6 WELLS
HACKENSACK WATER CO. 1 WELL
HAWTHORNE BOROUGH 5 WELLS
FAIRLAWN BOROUGH 5 WELLS 29,200
2-3: RIDGEWOOD VILLAGE 6 WELLS
HACKENSACK WATER CO. 3 WELLS
HAWTHORNE BOROUGH 6 WELLS
GARFIELD WATER DEPT. 12 WELLS
FAIRLAWN BOROUGH 2 WELLS 41,950
3-4: RIDGEWOOD VILLAGE 8 WELLS
HACKENSACK WATER CO. 1 WELL
GARFIELD WATER DEPT. 2 WELLS 18,800

Surface Water Pathway Criteria List
Suspected Release

Is surface water nearby? (y/n/u)	Y
Is waste quantity particularly large? (y/n/u)	N
Is the drainage area large? (y/n/u)	Y
Is rainfall heavy? (y/n/u)	N
Is the infiltration rate low? (y/n/u)	Y
Are sources poorly contained or prone to runoff or flooding? (y/n/u)	Y
Is a runoff route well defined(e.g.ditch/channel to surf.water)? (y/n/u)	N
Is vegetation stressed along the probable runoff path? (y/n/u)	N
Are sediments or water unnaturally discolored? (y/n/u)	N
Is wildlife unnaturally absent? (y/n/u)	N
Has deposition of waste into surface water been observed? (y/n/u)	N
Is ground water discharge to surface water likely? (y/n/u)	Y
Does analytical/circumstantial evidence suggest S.W. contam? (y/n/u)	N

Other criteria? (y/n) N

SUSPECTED RELEASE? (y/n) N

Summarize the rationale for Suspected Release:

Surface Water Pathway Criteria List
Primary Targets

Is any target nearby? (y/n/u)	If yes:	Y
Drinking water intake		
Y Fishery		
N Sensitive environment		
Has any intake, fishery, or recreational area been closed? (y/n/u)		N
Does analytical or circumstantial evidence suggest surface water contamination at or downstream of a target? (y/n/u)		N
Does any target warrant sampling? (y/n/u)	If yes:	N
Drinking water intake		
N Fishery		
N Sensitive environment		

Other criteria? (y/n) N

PRIMARY INTAKE(S) IDENTIFIED? (y/n)

Summarize the rationale for Primary Intakes:

continued -----

continued -----

Other criteria? (y/n) N

PRIMARY FISHERY(IES) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Fisheries:

Other criteria? (y/n) N

PRIMARY SENSITIVE ENVIRONMENT(S) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Sensitive Environments:

SURFACE WATER PATHWAY SCORESHEETS

Pathway Characteristics

Do you suspect a release? (y/n)			No	Ref.
Distance to surface water (feet):			300	USGS Map
Flood frequency (years):			500	Flood Ins. map.
What is the downstream distance (miles) to:				
a. the nearest drinking water intake?			N.A.	
b. the nearest fishery?			0.1	
c. the nearest sensitive environment?			0.5	
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References	
1. SUSPECTED RELEASE	0			
2. NO SUSPECTED RELEASE		500		
LR =	0	500		

Drinking Water Threat Targets

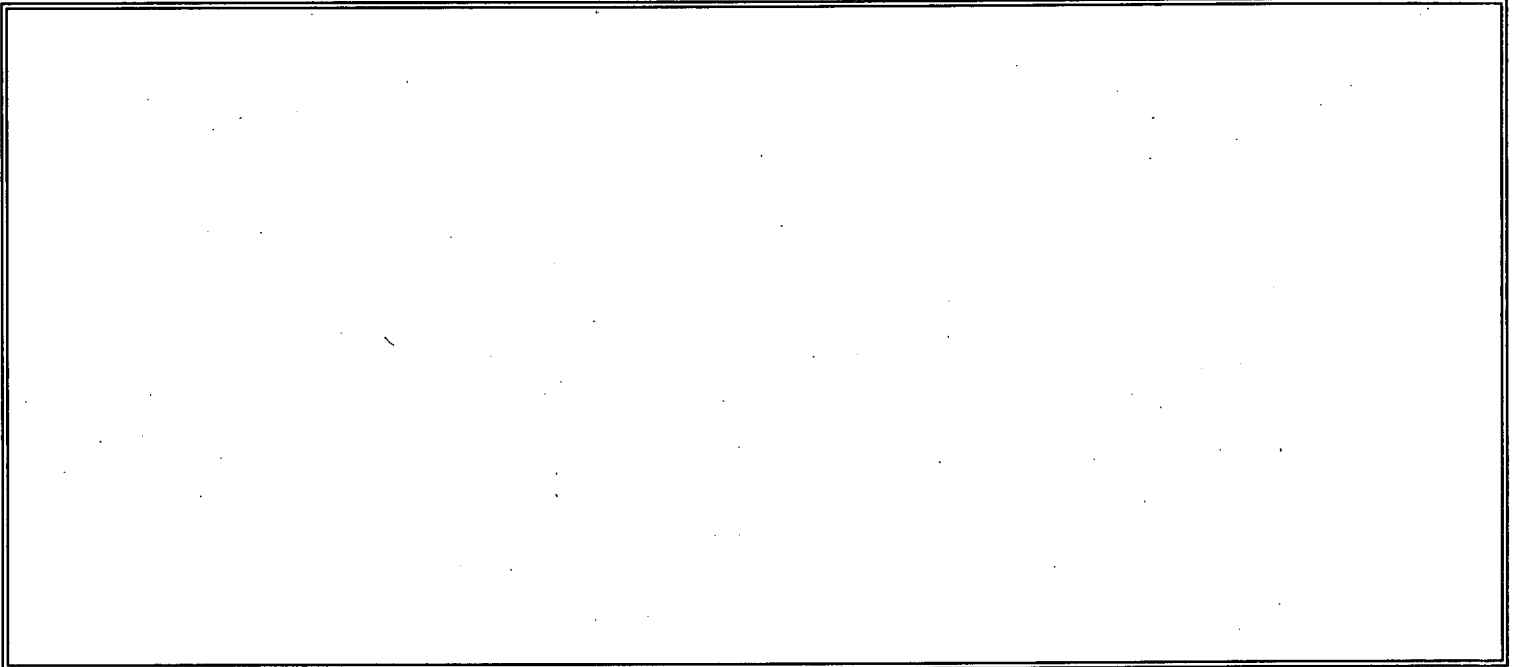
TARGETS	Suspected Release	No Suspected Release	References
3. Determine the water body type, flow (if applicable), and number of people served by each drinking water intake.			
4. PRIMARY TARGET POPULATION 0 person(s)	0		
5. SECONDARY TARGET POPULATION Are any intakes part of a blended system? (y/n): N	0	0	
6. NEAREST INTAKE	0	0	
7. RESOURCES	0	5	
T =	0	5	

Drinking Water Threat Target Populations

Intake Name	Primary (y/n)	Water Body Type/Flow	Population Served	Ref.	Value
None					
Total Primary Target Population Value					0
Total Secondary Target Population Value					0

*** Note : Maximum of 6 Intakes Are Printed ***

Apportionment Documentation for a Blended System



Human Food Chain Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
8. Determine the water body type and flow for each fishery within the target limit.			
9. PRIMARY FISHERIES	0		
10. SECONDARY FISHERIES	0	12	
T =	0	12	

Human Food Chain Threat Targets

Fishery Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 PASSAIC RIVER	N	>1000-10000 cfs	MT stream flow records	12
Total Primary Fisheries Value				0
Total Secondary Fisheries Value				0

*** Note : Maximum of 6 Fisheries Are Printed ***

Environmental Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
11. Determine the water body type and flow (if applicable) for each sensitive environment.			
12. PRIMARY SENSITIVE ENVIRONMENTS	0		
13. SECONDARY SENSITIVE ENVIRONS.	0	10	
T =	0	10	

Environmental Threat Targets

Sensitive Environment Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 WETLANDS	N	>1000-10000 cfs	Map # 6	0
Total Primary Sensitive Environments Value				0
Total Secondary Sensitive Environments Value				0
*** Note: Maximum of 6 Sensitive Environments Are Printed ***				

Surface Water Pathway Threat Scores

Threat	Likelihood of Release(LR) Score	Targets(T) Score	Pathway Waste Characteristics (WC) Score	Threat Score LR x T x WC / 82,500
Drinking Water	500	5	18	1
Human Food Chain	500	12	18	1
Environmental	500	10	18	1

SURFACE WATER PATHWAY SCORE:

3

Soil Exposure Pathway Criteria List
Resident Population

Is any residence, school, or daycare facility on or within 200 feet of an area of suspected contamination? (y/n/u)	Y
Is any residence, school, or daycare facility located on adjacent land previously owned or leased by the site owner/operator? (y/n/u)	N
Is there a migration route that might spread hazardous substances near residences, schools, or daycare facilities? (y/n/u)	N
Have onsite or adjacent residents or students reported adverse health effects, exclusive of apparent drinking water or air contamination problems? (y/n/u)	N
Does any neighboring property warrant sampling? (y/n/u)	N

Other criteria? (y/n) N

RESIDENT POPULATION IDENTIFIED? (y/n) Y

Summarize the rationale for Resident Population:

A RESIDENTIAL HOME IS LOCATED LESS THAN 200 FEET FROM THE SITE.

Soil Exposure Pathway Terrestrial Sensitive Environments

Terrestrial Sensitive Environment Name	Reference	Value
None		
Total Terrestrial Sensitive Environments Value		

*** Note : Maximum of 7 Sensitive Environments Are Printed ***

Air Pathway Criteria List
Suspected Release

Are odors currently reported? (y/n/u) N

Has release of a hazardous substance to the air
been directly observed? (y/n/u) N

Are there reports of adverse health effects (e.g., headaches,
nausea, dizziness) potentially resulting from migration
of hazardous substances through the air? (y/n/u) N

Does analytical/circumstantial evidence suggest release to air? (y/n/u) N

Other criteria? (y/n) N

SUSPECTED RELEASE? (y/n) N

Summarize the rationale for Suspected Release:

AIR PATHWAY SCORESHEETS

Pathway Characteristics

Do you suspect a release? (y/n)			No	Ref.
Distance to the nearest individual (feet):			200	3/26/93 PSA
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References	
1. SUSPECTED RELEASE	0			
2. NO SUSPECTED RELEASE		500		
LR =	0	500		

Targets

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 person(s)	0		
4. SECONDARY TARGET POPULATION	0	69	
5. NEAREST INDIVIDUAL	0	20	
6. PRIMARY SENSITIVE ENVIRONS.	0		
7. SECONDARY SENSITIVE ENVIRONS.	0	0	
8. RESOURCES	0	5	
T =	0	94	

WASTE CHARACTERISTICS

WC =

0	18
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AIR PATHWAY SCORE:

10

Air Pathway Secondary Target Populations

Distance Categories	Population	References	Value
Onsite	0	GEMS Data 3/26/93 - PSA	0
Greater than 0 to 1/4 mile	510		13
Greater than 1/4 to 1/2 mile	2570		9
Greater than 1/2 to 1 mile	8060		8
Greater than 1 to 2 miles	36000		27
Greater than 2 to 3 miles	66590		12
Greater than 3 to 4 miles	0		0
Total Secondary Population Value			69

Air Pathway Primary Sensitive Environments

Sensitive Environment Name	Reference	Value
None		

Total Primary Sensitive Environments Value

*** Note : Maximum of 7 Sensitive Environments Are Printed***

Air Pathway Secondary Sensitive Environments

Sensitive Environment Name	Distance	Reference	Value
1 WETLANDS	>1/4-1/2	Map #6	0.1

Total Secondary Sensitive Environments Value

0

SITE SCORE CALCULATION	SCORE
GROUND WATER PATHWAY SCORE:	100
SURFACE WATER PATHWAY SCORE:	3
SOIL EXPOSURE PATHWAY SCORE:	13
AIR PATHWAY SCORE:	10
SITE SCORE:	51

SUMMARY

1. Is there a high possibility of a threat to any nearby drinking water well(s) by migration of a hazardous substance in ground water? No

If yes, identify the well(s).

If yes, how many people are served by the threatened well(s)? 0

2. Is there a high possibility of a threat to any of the following by hazardous substance migration in surface water?
- A. Drinking water intake No
 - B. Fishery No
 - C. Sensitive environment (wetland, critical habitat, others) No

If yes, identity the target(s).

3. Is there a high possibility of an area of surficial contamination within 200 feet of any residence, school, or daycare facility? Yes

If yes, identify the properties and estimate the associated population(s)

4. Are there public health concerns at this site that are not addressed by PA scoring considerations? No

If yes, explain:

PAPERBOARD SPECIALTIES

BUREAU OF SITE ASSESSMENT FILE/DATA CHECK SHEET

Agency	Phone No.	Contact	Date	File Y/N Reviewed Y/N
<u>Office of Enforcement Policy (Permits)</u>				
A. Central File	(609) 292-0400		2/3/93	N
B. Regional NORTHERN Enforcement Office	(201) 299-7592			

Div. Publicly Funded Remediation

A. Groundwater Pollution Abatement	(609) 292-8427			
B. Groundwater Discharge Control	(609) 292-0424			
C. Aquifer Protection	(609) 292-0668			
D. Env. Evaluation and Risk Assmnt.	(609) 633-7413			
E. Site Management	(609) 984-2990			
F. Env. Measurements and Quality Assurance	(609) 633-6801			
G. Other				

Div. RP Site Remediation

A. Regional NORTHERN Enforcement Office	(201) 299-7570	TONY ADAMO	2/3/93	Y
B. Federal Case Mgnt.	(609) 633-1455			
C. State Case Mgnt.	(609) 633-0719			
D. ECRA	(609) 633-7141			
E. Underground Storage Tanks	(609) 984-3156			
F. Other				

Div. Env. Quality

A. Reg. Air Pollution Control Office NORTHERN	(201) 299-7700	MIMI	2/3/93	Y
B. Office of Quality Assurance	(609) 292-3950			
C. Right to Know	(609) 292-6714			

Agency	Phone No.	Contact	Date	File Y/N	Reviewed Y/N
<u>Div. Solid Waste Mgnt.</u>					
A. File Room	(609) 292-0112				
B. Enforcement Office	(609) 584-4180				
C. Solid Waste Eng.	(609) 530-8008				
<u>Environmental Regulation</u>					
A. Haz. Waste Eng.	(609) 292-9880	A. DRUMMINS	2/23/93		N
B. Ind. Discharge Permits	(609) 292-4860				
C. Other					
<u>Other N.J. DEP</u>					
A. Div. of Law (Att. Gen. Office)	(609) 292-9320				
B. Div. of Science and Research	(609) 984-6070				
C. Div. of Fish, Game and Wildlife	-----				
D. Div. of Coastal Resources Planning Group (aerial photos)	(609) 633-7369				
E. Other	-----				
<u>N.J. Dept. of Health</u>					

N.J. DEP Information Resource Center	(609) 984-2249				
<u>U.S. EPA</u>					
A. Response and Prevention Branch	(201) 321-6658				
B. Other	PATERSON HEALTH DEPT (201) 881-6924		3/11/93	4	4

Agency Phone No. Contact Date

Local Authorities

A. Health Officer

B. Tax Assessor or
Town Clerk

C. Other (Fire, Police,
Public Works, etc.)

Other Agencies